

SWP Water Quality Summary

January 16 to 23, 2008

Total Dissolved Solids: TDS decreased at Banks Pumping Plant (BPP), Check 41, Barker Slough and Vallecitos, but increased at Checks 29 and Devil Canyon. Concentrations ranged from 249 mg/L to 364 mg/L (415 uS/cm to 607 uS/cm), but remained below the Article 19 Monthly Average Objective of 440 mg/L. The highest concentration of 364 mg/L (607 uS/cm) occurred at Check 29 while the lowest concentration of 249 mg/L (415 uS/cm) occurred at Barker Slough on January 23, 2008. Concentrations continue to reflect a decreasing trend at BPP from 354 to 344 mg/L (590 uS/cm to 573 uS/cm) due to persistent precipitation and runoff.

Bromide: Concentrations remain above the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L project wide, ranging from 0.18 to 0.35 mg/L. Barker Slough had the lowest concentration of 0.18 mg/L, followed by Devil Canyon with 0.22 mg/L while the highest concentration of 0.35 mg/L occurred at Check 29. The concentration at BPP decreased slightly from 0.34 to 0.33 mg/L as of January 23, 2008.

Turbidity: Turbidity levels remain unchanged at the following locations, BPP, Check 29, Check 41 and Devil Canyon. Turbidity levels at Barker Slough decreased from 60 NTU to 41 NTU while levels increased at Vallecitos from 17NTU to 18 NTU on January 23, 2008. The lowest level of 1 NTU occurred at Devil Canyon while the highest level of 41 NTU occurred at Barker Slough.

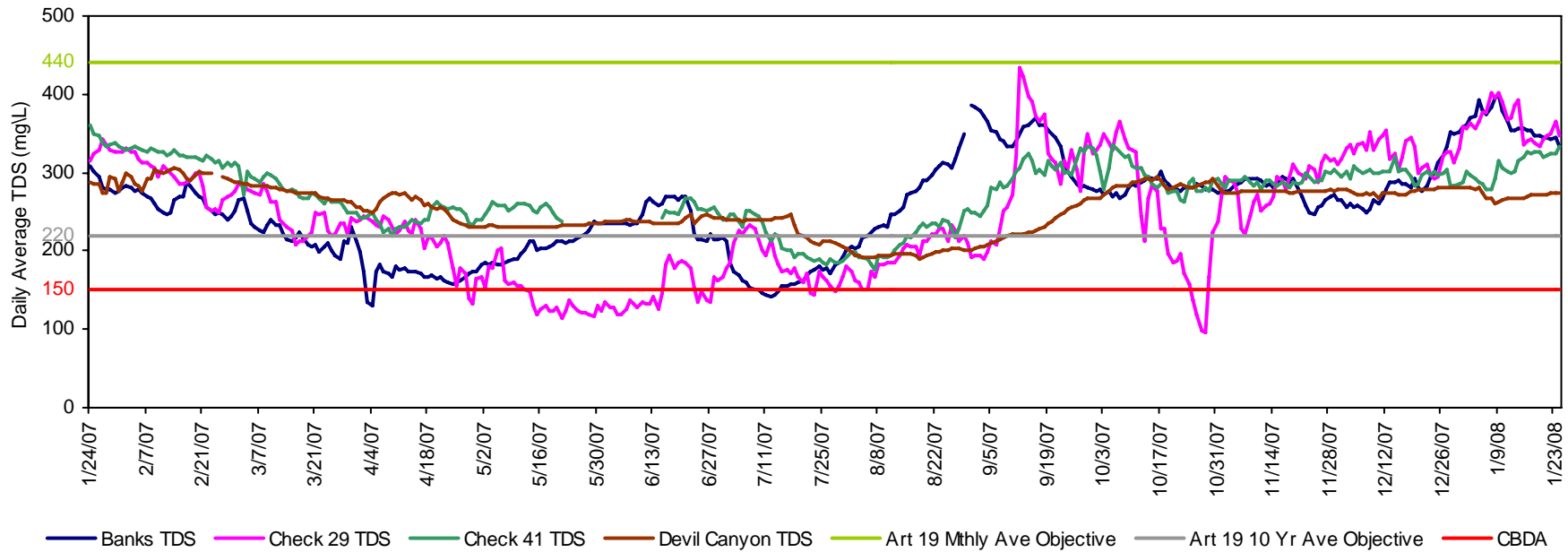
Dissolved Organic Carbon: Concentrations increased at BPP from 4.9mg/L to 5.1 mg/L, at Check 13 from 4.5mg/L to 5.6 mg/L, which is above the CALFED TOC Objective of 3.0 mg/L. In addition, DOC concentrations at Edmonston increased from 1.1 mg/L to 1.8 mg/L this week. The increased DOC concentrations this week, is a reflection of the rainstorm and runoff events.

Taste and Odor Compounds: MIB and geosmin remain low ranging from non-detect to 5 ng/L at Clifton Court inlet, BPP, Del Valle Check 7 and O'Neill Forebay Outlet. San Luis Reservoir and Pacheco Pumping Plant samples returned non-detects for MIB and Geosmin.

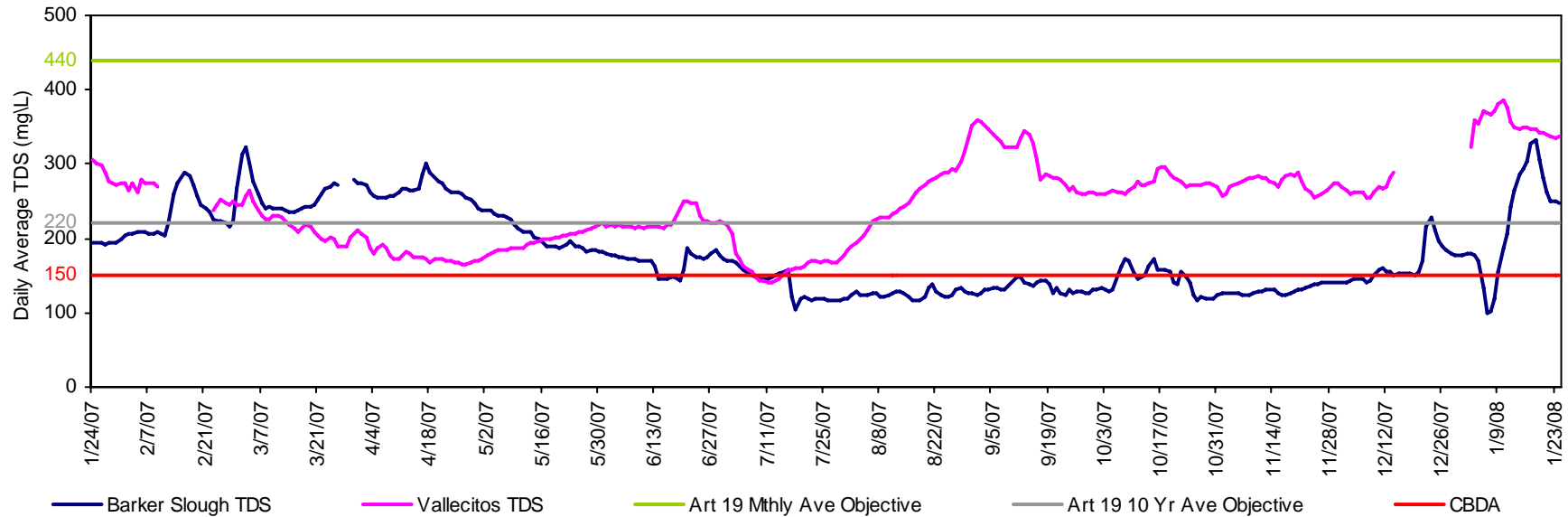
Note:

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientist and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from any of the 15 automated stations along the SWP, visit: <http://www.womwq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.

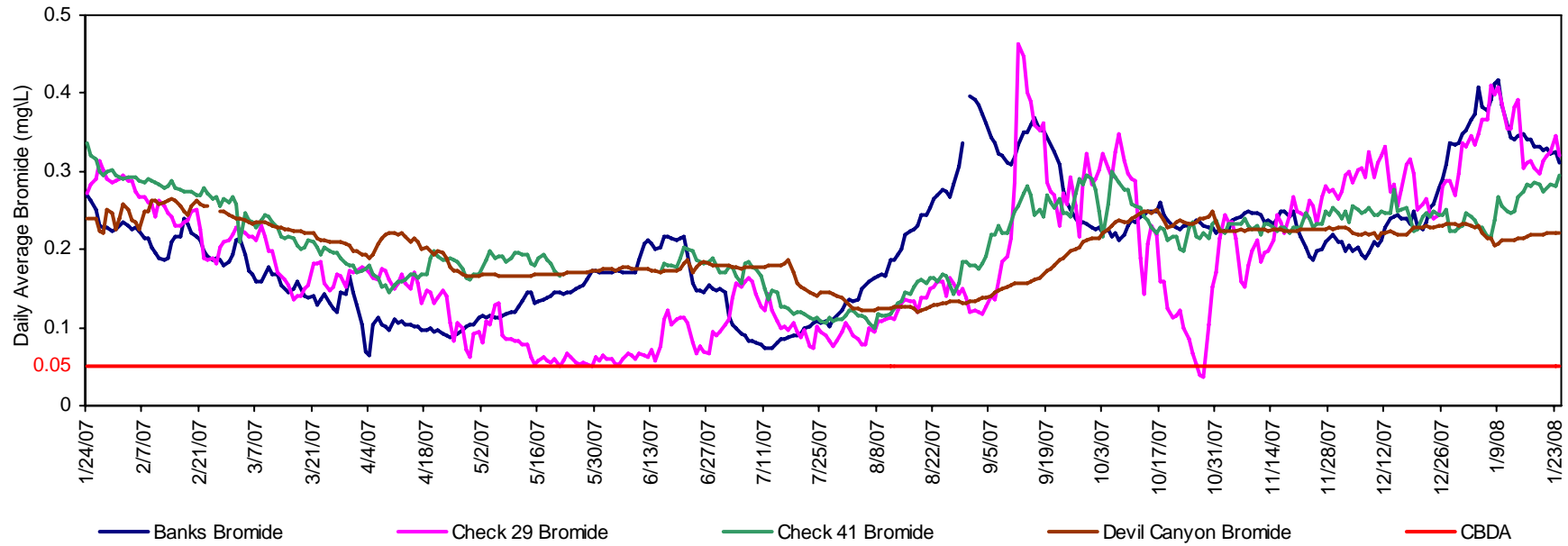
California Aqueduct - Calculated Total Dissolved Solids



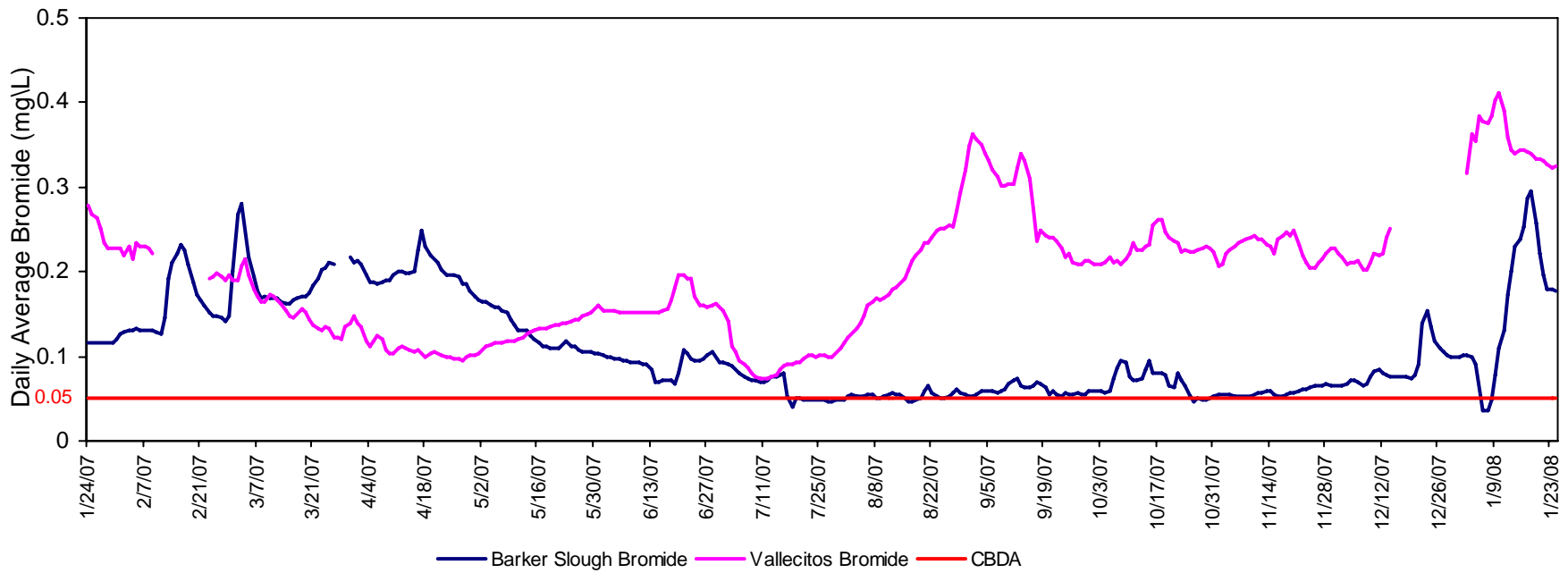
North and South Bay Aqueduct - Calculated Total Dissolved Solids



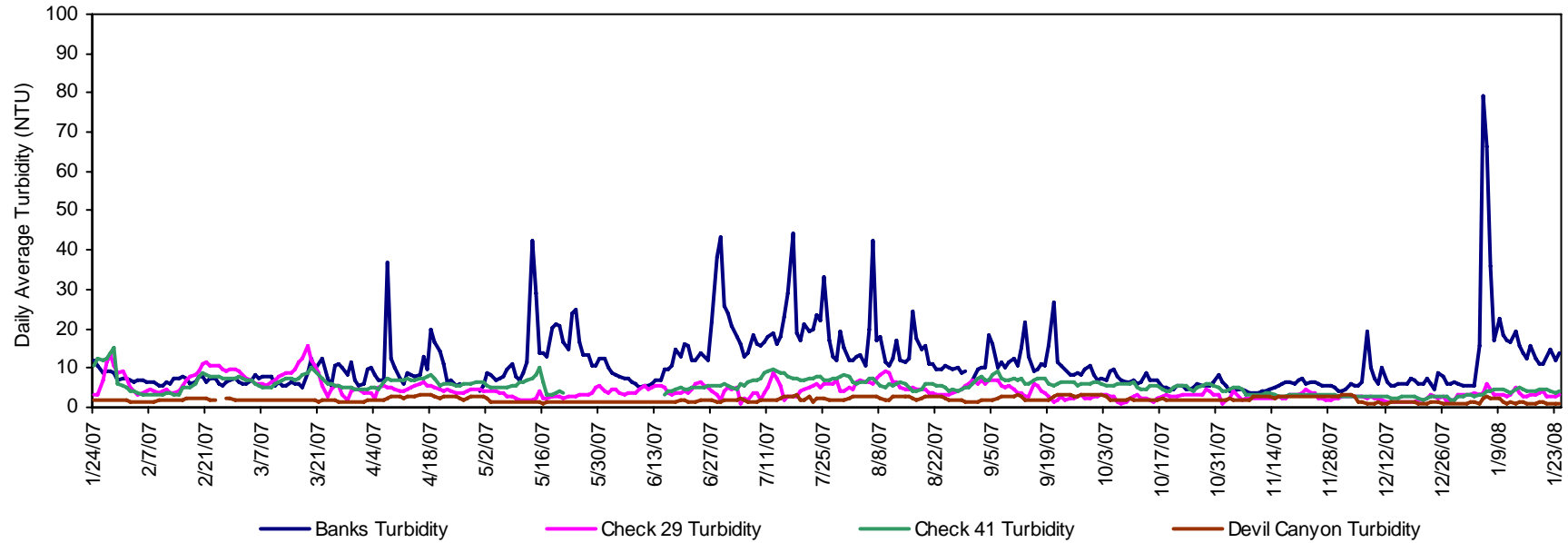
California Aqueduct - Calculated Bromide



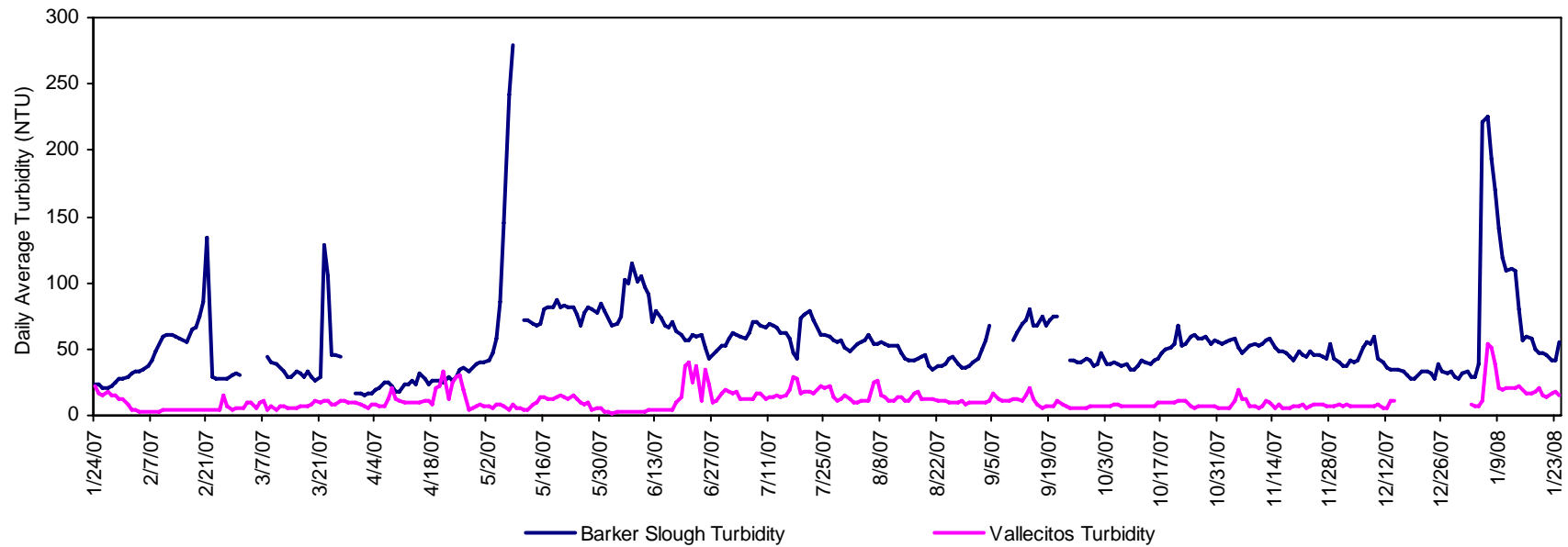
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

